GSE Geometry Module 5

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| **LO5.8 I can prove whether or not a specific point lies on a given circle.** |
| Key Points:  Equation of a Circle:  If is the center of a circle, it is used as .  For example, a circle with a center at with a radius of 5 would be written as: |
| **Examples: Write the equation of the circle in standard form.**    What is the center of the circle?  What is the radius?  The standard form of the equation for this circle is:  1. Find the equation of a circle whose diameter has endpoints and .  2. Determine if the point is on, inside, or outside the circle . Explain your reasoning.  a. b. c.  3. Points and are on the circle . What are the values of and ? |

Work Time:

